

Listing of Claims

1. (Currently Amended) A system for providing conversational navigation, comprising:
a server computing device comprising means for generating at least one hierarchical structured document, wherein the hierarchical structured document comprises a mapping of content pages that can be accessed from the server computing device or a mapping of logic of dialog services that can be accessed from the server computing device; and
a client computing device comprising means for enabling user access of the content pages or dialog services of the server computing device, wherein the client computing device processes the at least one hierarchical document to activate the content pages or the logic of the dialog services within the at least one hierarchical document so as to allow the user to directly access any one of the content pages or dialog services.
2. (Original) The system of claim 1, wherein the hierarchical structured document is a skeleton comprising a tree having a plurality of nodes with each node having a target address comprising one of a URL (uniform resource locator) and socket address to information denoted by the corresponding node.
3. (Original) The system of claim 1, wherein each node comprises a target address to a URL (uniform resource locator) of a CML (conversational markup language) page associated with the node.
4. (Original) The system of claim 3, wherein the at least one hierarchical structured document is presented as a frame in a CML page.
5. (Original) The system of claim 1, wherein the mapping of the logic of dialog services comprises a mapping of the logic of an underlying application and dialog of each of the dialog services.

6. (Currently Amended) The system of claim 1, wherein the at least one hierarchical structured document allows the exchange of procedural and dialog objects for providing the dialog services to the client computing device for execution of the dialog services on the client computing device.

7. (Original) The system of claim 1, wherein each node comprises a target address to a dialog manager responsible for providing a dialog service associated with the node.

8. (Original) The system of claim 7, wherein the dialog manager provides form filling based NLU (natural language understanding).

9. (Original) The system of claim 7, wherein the dialog manager provides dedicated procedures.

10. (Original) The system of claim 7, wherein the dialog manager provides a FSG (finite state grammars).

11. (Original) The system of claim 7, wherein the dialog manager employs mixed initiative.

12. (Original) The system of claim 7, wherein the dialog manager employs machine directed dialog.

13. (Original) The system of claim 7, wherein the dialog manager employs user directed dialog.

14. (Original) The system of claim 1, wherein the means for generating the at least one hierarchical structured document is a spidering application.

15. (Original) The system of claim 1, wherein the hierarchical structured document is pre-built.

16. (Currently Amended) The system of claim 1, wherein the hierarchical structured document is hidden to the user of the client computing device.

17. (Original) The system of claim 1, wherein the hierarchical structured document can be interrogated by the user at any time that the hierarchical structured document is active.

18. (Original) The system of claim 1, wherein the hierarchical structured document can be interrogated by the user at the beginning of the dialog.

19. (Original) The system of claim 1, wherein the client computing device is a transcoder and the hierarchical structured document is used for performing logical transcoding by the transcoder to generate one of an HTML (hypertext markup language) page and a CML page.

20. (Original) The system of claim 19, wherein the hierarchical structured document represents the structure of an HTML site.

21. (Original) The system of claim 19, wherein the hierarchical structured document is one of multi-nodal, speech only and GUI (graphical user interface) only.

22. (Original) The system of claim 1, wherein the hierarchical structured document is a dialog component.

23. (Original) The system of claim 1, wherein each node comprises a target address to at least one object.

24. (Original) The system of claim 1, wherein the hierarchical structured document is implemented one of procedurally and declaratively.

25. (Canceled)

26. (Currently Amended) The system of claim 1, wherein the hierarchical document is stored in ~~one of the server computing device, the client computing device, a gateway, and or a~~ router.

27. (New) A method for making a computer implemented process to enable conversational navigation, said method comprising:

instantiating first computer instructions onto a computer readable medium, wherein said first instructions are configured to generate at least one hierarchical structured document, wherein the hierarchical structured document comprises a mapping of content pages that can be accessed from a server or a mapping of logic of dialog services that can be accessed from the server; and

instantiating second computer instructions onto a computer readable medium, wherein said second instructions are configured to enable user access of the content pages or dialog services of the server by processing the at least one hierarchical document to activate the content pages or the logic of the dialog services within the at least one hierarchical document so as to allow the user to directly access any one of the content pages or dialog services.